Peroxisomal membrane protein degradation in yeast

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Propositions

Accompanying the PhD thesis

Peroxisomal membrane protein degradation in yeast

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1. Our current knowledge on peroxisomal membrane protein (PMP) degradation is still in its infancy.
2. The tFT approach can be used to destabilize a protein of interest, to investigate its degradation via quality control (This thesis).
3. Cytosolic quality control proteins are important for peroxisome function in the yeast *Saccharomyces cerevisiae* (This thesis).
4. A Pxa1p mutant degradation model can be used to provide important insights into ALDP mutant instability and the disease ALD (This thesis).
5. PMP degradation plays a fundamental role in human health and disease.
6. Membrane proteins do not always need to be extracted and released into the cytosol before proteasomal degradation can occur (*Smith et al., 2016, J Biol Chem. 291:15082-15092*).
7. *"*It is a mistake to try to look too far ahead. The chain of destiny can only be grasped one link at a time.*"*- Winston Churchill
8. "Most of the important things in the world have been accomplished by people who have kept on trying when there seemed to be no hope at all." – Dale Carnegie